

8-12-05

ITW 2811

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION OF: Wolfgang Clemens et al.  
SERIAL NO: 10/517,750 GROUP ART UNIT: 2811  
FILED: June 10, 2005 EXAMINER: Not assigned  
CUSTOMER NO.: 27162  
FOR: Substrate for an Organic Field Effect Transistor, Use of the  
Substrate, Method of Increasing the Charge Carrier Mobility and  
Organic Field Effect Transistor (OFET)  
ATTY DKT NO.: 411000-122

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

SIR:

Pursuant to 37 C.F.R. §1.56(a), Applicant(s) hereby cite(s) the enclosed documents listed on the attached copy of Form PTO-1449 which are believed to be material to the patentability of the above-identified application.

This Information Disclosure Statement is filed in accordance with the paragraph of 37 CFR §1.97 indicated below:

  X   §1.97(b) This Information Disclosure Statement is filed:  
(1) Within three months of the filing date of a national application; OR  
(2) Within three months of the date of entry of the national stage of an international application; OR  
(3) Before the mailing of a first Office Action on the merits. No fee or statement is required.

       §1.97(c) This Information Disclosure Statement is filed after the period specified in paragraph (b) above, but before the mailing date of either:

- (1) A Final Action or under 37 CFR §1.113; OR
- (2) A Notice of Allowance under 37 CFR §1.311; AND

is accompanied by either: (check one)

- The statement as specified in 37 CFR §1.97(e) set out below; OR
- The fee of \$180.00 under 37 CFR §1.17(p).

\_\_\_§1.97(d) This Information Disclosure Statement is filed after the mailing date of either:

- (1) a Final Action or under 37 CFR §1.113; OR
- (2) A Notice of Allowance under 37 CFR §1.311;

BUT filed on or before payment of the Issue Fee; AND  
is accompanied by:

- (1) The statement as specified in 37 CFR §1.97(e) as set forth below; AND
- (2) Petition is hereby made under 37 CFR §1.97(d) for consideration of this Information Disclosure Statement; AND,
- (3) The petition fee of \$180.00 set out in 37 CFR §1.17(i).

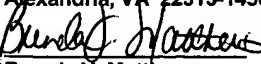
\_\_\_§1.97(e) The undersigned Attorney hereby states that:

\_\_\_ each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of this Information Disclosure Statement;  
or

\_\_\_ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, or to the knowledge of the undersigned Attorney after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing date of the Information Disclosure Statement.

This Information Disclosure Statement provides a detailed list of the references cited in various pending applications listed in applicant's Disclosure Statements filed January 7, 2005 and May 2, 2005 herewith.

The Commissioner is authorized to charge payment of any fees associated with this communication or credit any overpayment to Deposit Account No. 03-0678.

<b>EXPRESS MAIL CERTIFICATE</b>	
Express Mail Label No. EV440947306 US Deposit Date: August 11, 2005	
I hereby certify that this paper and the attachments hereto are being deposited today with the U.S. Postal Service "Express Mail Post Office To Addressee" service under 37 CFR 1.10 on the date indicated above addressed to: MS Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	
 Brenda V. Matthews	August 11, 2005 Date

Respectfully submitted,  
Wolfgang Clemens et al.

  
William Squire  
Reg. No. 25,378  
CARELLA, BYRNE BAIN, GILFILLAN,  
CECCHI, STEWART & OLSTEIN  
5 Becker Farm Road  
Roseland, NJ 07068  
Tel: (973)994-1700  
Fax: (973)994-1744



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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SERIAL NO: 10/517,750 GROUP ART UNIT: 2811  
FILED: June 10, 2005 EXAMINER: Unassigned  
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substrate, method of increasing the charge carrier mobility, and  
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DISCLOSURE STATEMENT UNDER 37 CFR 1.56

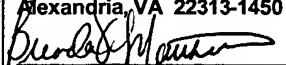
SIR:

This paper is to bring to the attention of the PTO the following copending U.S. applications, all of which are related in different respects to organic electronic devices and/or method of making such devices such as transistors, diodes, integrated circuits and the like. These applications also are generally related to the various applications noted in applicants' Disclosure Statements filed on January 7, 2005 and May 2, 2005. The enclosed PTO 1449 lists additional applications. Many of these applications also have one or more common inventors. It is respectfully requested that the Examiner consider and make of record all of the cited applications listed in the enclosed PT 1449.

<u>Application No.</u>	<u>Title</u>	<u>Inventors</u>	<u>Atty. Dkt. No.</u>
10/533,756	Organic Electronic Component with High-Resolution Structuring and Process for the Production Thereof	Wolfgang Clemens et al.	411000-128

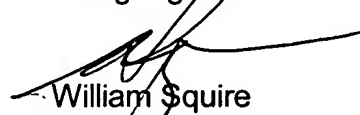
10/534,678	Measuring Apparatus for Determining an Analyte in a Liquid Sample	Wolfgang Clemens et al.	411000-129
10/535,448	Organic Electronic Component Comprising a Patterned, Semiconducting Functional Layer and a Method for Producing Said Component	Wolfgang Clemens et al.	411000-131
10/535,449	Organic Electronic Component Comprising The Same Organic Material For At Least Two Functional Layers	Walter Fix et al.	411000-132
10/344,926	An Electronic Circuit Having An Encapsulated Organic-Electronic Component And A Method Formaking An Encapsulated Organic-Electronic Component	Adolf Bernds et al.	411000-133
10/541,815	Organo-Resistive Memory Unit	Axel Gerlt et al.	411000-136
10/541,956	Board or Substrate for an Organic Electronic Device and Use Thereof	Wolfgang Clemens et al.	411000-137
10/541,957	Organic Field Effect Transistor And Integrated Circuit	Walter Fix et al.	411000-138
10/543,561	Organic Storage Component And Corresponding Triggering Circuit	Wolfgang Clemens et al.	411000.139
10/542,678	Organic Electronic Component And Method For Producing Organic Electronic Devices	Adolf Bernds et al.	411000.140
10/542,679	Use Of Conductive Carbon Black/Graphite Mixtures For The Productionof Low-Cost Electronics	Adolf Bernds et al.	411000.141

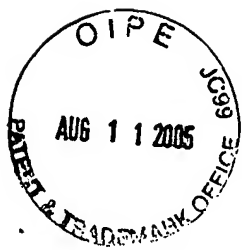
The Commissioner is authorized to charge payment of any fees associated with this communication or credit any overpayment to Deposit Account No. 03-0678.

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#266043 v1

Respectfully submitted,  
Wolfgang Clemens et al.

  
William Squire  
Reg. No. 25,378  
CARELLA, BYRNE, BAIN, GILFILLAN,  
CECCHI, STEWART & OLSTEIN  
5 Becker Farm Road  
Roseland, NJ 07068  
Tel: (973)994-1700  
Fax: (973)994-1744

PTO/SB/08a  
(08-03)Approved for use through 07/31/2006. OMB 0651-0031  
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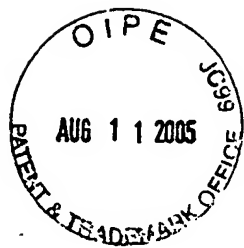
<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<b>Complete if Known</b>			
		Application Number	10/517,750		
		Filing Date	June 10, 2005		
		First Named Inventor	Wolfgang Clemens		
		Group Art Unit	2811		
		Examiner Name	Unassigned		
Sheet	1		1	Attorney Docket Number	411000-122

U.S. PATENT DOCUMENTS					
Examiner Initial*	Cite No. <sup>1</sup>	Document Number Number-Kid Code <sup>2</sup> (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	128	10/533,756	N/A	Wolfgang Clemens et al	
	129	10/535,448	N/A	Wolfgang Clemens et al	
	131	10/535,448	N/A	W. Clemens et al.	
	132	10/535,449	N/A	Walter Fix et al.	
	133	US-10/344,926	02/12/2004	Adolf Bernds et al.	
	136	US-10/541,815	N/A	Axel Gerlt et al.	
	137	US-10/541,956	N/A	Wolfgang Clemens et al.	
	138	US10/541,957	N/A	Walter Fix et al.	
	138	US-10/543,561	N/A	Wolfgang Clemens et al.	
	140	US-10/542,678	N/A	Adolf Bernds et al.	
	141	US-10/542,679	N/A	Adolf Bernds et al.	
Examiner Signature			Date Considered		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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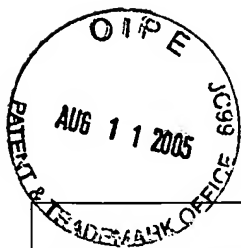
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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/517,750
				Filing Date	June 10, 2005
				First Named Inventor	Wolfgang Clemens et al.
				Group Art Unit	2811
				Examiner Name	Unassigned
Sheet	1	Of	5	Attorney Docket Number	411000.122

Examiner Initial*	Cite No. <sup>1</sup>	Document Number Number-Kid Code <sup>2</sup> (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-2002/0053320	05-09-2002	Duthaler	
		US-2002/0056839	05-16-2002	Joo et al.	
		US-2002/0068392	06-06-2002	Lee et al.	
		US-2002/0130042	09-19-2002	Stiene	
		US-2002/0170897	11-21-2002	Hall	
		US-2002/0195644	12-26-2002	Dodabalapur et al.	
		US-2003/0059987	03-27-2003	Sirringhaus Henning et al.	
		US-2003/0112576	06-19-2003	Brewer et al.	
		US-2004/0002176	0101-2004	Xu	
		US-3,512,052	12-12-1970	MacIver et al.	
		US-3,955,098	05-04-1976	Kawamoto	
		US-4,302,648	11-24-1981	Sado et al.	
		US-4,442,019	04-19-1984	Marks	
		US-4,865,197	09-12-1989	Craig	
		US-5,173,835	12-22-1992	Cornett et al.	
		US-5,259,926	11-09-1993	Kuwabara et al.	
		US-5,395,504	03-07-1995	Hoffman et al.	
		US-5,502,396	03/26/1996	Desarzens	
		US-5,569,879	10-29-1996	Gloton et al.	
		US-5,580,794	12-03-1996	Allen	
		US-5,629,530	05-13-1997	Brown et al.	
		US-5,630,986	05-20-1997	Miller	
		US-5,729,428	03-17-1998	Sakata et al.	
		US-5,869,972	02-09-1999	Birch et al.	
		US-5,946,551	08-31-1999	Dimitrakopoulos	
		US-5,994,773	11-30-1999	Hirakawa	



Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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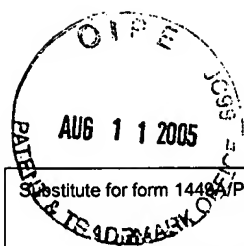
### Complete if Known

Sheet	2	Of	5	Attorney Docket Number	411000.122
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U.S. PATENT DOCUMENTS					
Examiner Initial*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-5,997,817	12-07-1999	Crismore et al.	
		US-6,036,919	03-14-2000	Thym et al.	
		US-6,045,977	04-04-2000	Chandross et al.	
		US-6,060,338	05-09-2000	Tanaka et al.	
		US-6,300,141	10-09-2001	Segal et al.	
		US-6,852,583	02-08-2005	Bernds et al.	
		US-6,903,958	06-07-2005	Bernds et al.	

FOREIGN PATENT DOCUMENTS					
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		DE 100 45 192	04-04-2002	Siemens AG		
		DE 100 47 171	04-18-2002	Siemens AG		
		DE 100 58 559	05-29-2002	Interactive Biotech.		
		DE 101 20 687	10-31-2002	Siemens AG		
		DE 102 19 905	12-04-2003	Osram Opto Semicond.		
		DE 198 52 312 (title page only)	05-20-1999	Nintendo Co.		
		DE 199 18 193 (title page only)	11-25-1999	Cambridge Display		
		DE 199 21 024 (title page only)	11-16-2000	Eichelmann		
		DE 33 38 597 r	05-02-1985	GAO Gesellschaft		
		DE 69519872 (title page only)	01-03-2001	News Datacom Ltd.		
		EP 0 128 529	12-19-1984	BASF		
		EP 0 268 370 A2	05-25-1988	Canon Kabushiki Kaisha		X
		EP 0 268 370 A3	05-25-1988	Canon Kabushiki Kaisha		X
		EP 0 350 179	01-10-1990	W & T Avery Ltd.		X
		EP 0 460 242	12-11-1991	Nippon Petrochemicals		
		EP 0 981 165	02-23-2000	Lucent Technologies		
		EP 1 052 594	11-15-2000	Sokymat S.A.		
		EP 1 102 335 A2	05-23-2001	Lucent Technologies		X
		EP 1 104 035 A2	05-30-2001	Lucent Technologies		X
		EP 1 134 694	09-19-2001	Infineon Technologies		



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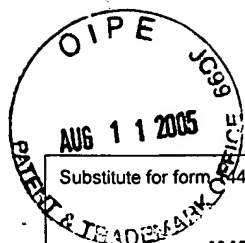
## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

### Complete if Known

<p>Application Number</p> <p>Filing Date</p> <p>First Named Inventor</p> <p>Group Art Unit</p> <p>Examiner Name</p> <p>Attorney Docket Number</p>				<p>10/517,750</p> <p>June 10, 2005</p> <p>Wolfgang Clemens</p> <p>2811</p> <p>Unassigned</p> <p>411000.122</p>																																																																																																																																																																																							
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<table border="1"> <thead> <tr> <th>Patent Number</th> <th>Issue Date</th> <th>Inventor</th> <th>Company</th> <th>Relevance</th> </tr> </thead> <tbody> <tr> <td>EP 1 318 084</td> <td>06-11-2003</td> <td>Nippon Sanso Corp.</td> <td></td> <td></td> </tr> <tr> <td>GB 2 058 462</td> <td>04-08-1981</td> <td>Shin-Etsu Polymer Co.</td> <td></td> <td>X</td> </tr> <tr> <td>GB 723,598</td> <td>02-09-1955</td> <td>N V Phillips Gloeilampenfabrieken</td> <td></td> <td>X</td> </tr> <tr> <td>JP 05347422 (abstract)</td> <td>12-27-1993</td> <td>Fujitsu Ltd.</td> <td></td> <td>X</td> </tr> <tr> <td>JP 2001085272 (abstract)</td> <td>03-30-2001</td> <td>Matsushita Electric Ind.</td> <td></td> <td>X</td> </tr> <tr> <td>JP 54069392 (abstract)</td> <td>06-04-1979</td> <td>NEC Corp.</td> <td></td> <td>X</td> </tr> <tr> <td>JP 61167854</td> <td>07-29-1986</td> <td>Murata Mfg. Co. Ltd.</td> <td></td> <td>X</td> </tr> <tr> <td>WO 93/01641</td> <td>08-19-1993</td> <td>Kopin Corp.</td> <td></td> <td></td> </tr> <tr> <td>WO 95/06240</td> <td>03-02-1995</td> <td>Metrika Laboratories</td> <td></td> <td>X</td> </tr> <tr> <td>WO 97/12349</td> <td>04-03-1997</td> <td>De Rivaz et al.</td> <td></td> <td>X</td> </tr> <tr> <td>WO 98/18156</td> <td>04-30-1998</td> <td>Steag Microtech</td> <td></td> <td></td> </tr> <tr> <td>WO 98/18156 (abstract)</td> <td>04-30-1998</td> <td>Steag Microtech</td> <td></td> <td>X</td> </tr> <tr> <td>WO 99/07189</td> <td>02-11-1999</td> <td>Cambridge</td> <td></td> <td></td> </tr> <tr> <td>WO 99/40631</td> <td>08-12-1999</td> <td>Opticom USA</td> <td></td> <td>X</td> </tr> <tr> <td>WO 99/54936</td> <td>10-28-1999</td> <td>Cambridge Display</td> <td></td> <td>X</td> </tr> <tr> <td>WO 99/54936 (Corrected Version)</td> <td>10-28-1999</td> <td>Cambridge Display</td> <td></td> <td></td> </tr> <tr> <td>WO 99/66540</td> <td>12-23-1999</td> <td>Opticom ASA</td> <td></td> <td>X</td> </tr> <tr> <td>WO 00/33063</td> <td>06-08-2000</td> <td>Moorlodge Biotech</td> <td></td> <td>X</td> </tr> <tr> <td>WO 01/03126</td> <td>01-11-2001</td> <td>Regents of U. of CA</td> <td></td> <td>X</td> </tr> <tr> <td>WO 01/06442</td> <td>01-25-2001</td> <td>Yip</td> <td></td> <td>X</td> </tr> <tr> <td>WO 01/17029</td> <td>03-08-2001</td> <td>E Ink Corp.</td> <td></td> <td>X</td> </tr> <tr> <td>WO 01/17041</td> <td>03-08-2001</td> <td>E Ink Corp.</td> <td></td> <td>X</td> </tr> <tr> <td>WO 01/27998</td> <td>04-19-2001</td> <td>Koninklijke Philips</td> <td></td> <td>X</td> </tr> <tr> <td>WO 01/46987</td> <td>06-28-2001</td> <td>Plastic Logic Ltd.</td> <td></td> <td>X</td> </tr> <tr> <td>WO 01/47044 A2</td> <td>06-28-2001</td> <td>Plastic Logic Ltd.</td> <td></td> <td>X</td> </tr> <tr> <td>WO 01/47044 A3</td> <td>06-28-2001</td> <td>Plastic Logic Ltd.</td> <td></td> <td>X</td> </tr> <tr> <td>WO 01/73109 A2</td> <td>10-24-2001</td> <td>Iverness Medical</td> <td></td> <td>X</td> </tr> <tr> <td>WO 01/73109 A3</td> <td>10-24-2001</td> <td>Iverness Medical</td> <td></td> <td>X</td> </tr> <tr> <td>WO 02/071139</td> <td>09-12-2002</td> <td>Acreo AB</td> <td></td> <td>X</td> </tr> <tr> <td>WO 02/071505</td> <td>09-12-2002</td> <td>Acreo AB</td> <td></td> <td>X</td> </tr> <tr> <td>WO 02/076924</td> <td>10-03-2002</td> <td>Nisshinbo Industries</td> <td></td> <td></td> </tr> <tr> <td>WO 02/091495</td> <td>11-14-2002</td> <td>Coatue Corp.</td> <td></td> <td>X</td> </tr> <tr> <td>WO 02/099907</td> <td>12-12-2002</td> <td>Siemens</td> <td></td> <td></td> </tr> <tr> <td>WO 02/099907 (abstract)</td> <td>12-12-2002</td> <td>Siemens</td> <td></td> <td>X</td> </tr> <tr> <td>WO 02/099908</td> <td>12-12-2002</td> <td>Siemens AK</td> <td></td> <td></td> </tr> </tbody> </table>								Patent Number	Issue Date	Inventor	Company	Relevance	EP 1 318 084	06-11-2003	Nippon Sanso Corp.			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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

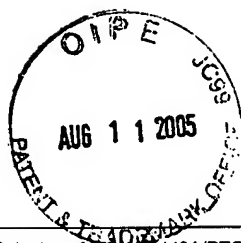
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### Complete if Known

Application Number	10/517,750
Filing Date	June 10, 2005
First Named Inventor	Wolfgang Clemens
Group Art Unit	2811
Examiner Name	Unassigned
Attorney Docket Number	411000.122

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	WO 02/15264	02-21-2002	Siemens AK		
	WO 02/29912	04-11-2002	Cambridge University		X
	WO 02/43071	05-30-2002	Thin Film Electronics		X
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	WO 03/067680	08-14-2003	Canon Kabushiki Kaisha		X
	WO 03/069552	08-21-2003	Rafsec Oy		X
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	WO 2004/083859	09-30-2004	Platform Diagnostics		



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Sheet	5	Of	5	Attorney Docket Number	411000.122
<b>NON PATENT LITERATURE DOCUMENTS</b>					

Examiner Initial*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
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		GOSAIN, D.P., "Excimer laser crystallized poly-Si TFT's on plastic substrates", Second International Symposium on Laser Precision Microfabrication, May 16-18, 2001, Singapore, Vol. 4426, pages 394 – 400.	
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